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PATENT ABSTRACTS OF JAPAN(21) Application number: **10178854**(51) Intl. Cl.: **H04J 13/04 H04B 1/10 H04E**(22) Application date: **25.06.98**

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(54) DS-CDMA MULTI-USER INTERFERENCE CANCELLER

(57) Abstract:

PROBLEM TO BE SOLVED: To prevent a reception characteristic from being unexpectedly deteriorated due to interference cancellation processing even under a bad reception environment.

SOLUTION: Preliminary demodulators 10a-10c measure a reception characteristic before interference cancellation processing for each user. Each of interference cancellation units(ICU) 11a-13c measures a reception characteristic after passing through an ICU of a pre-stage block. In the case that each measured value is compared with the reception characteristic measured by the preliminary demodulators 10a-10c and the comparison indicates deterioration conversely, any interference cancellation processing of the pre-stage is stopped.

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